

Call for Papers

WSEAS TRANSACTIONS on COMPUTERS

Special Issue on GPU Computing

Editor:

Dr. Sándor Szénási

Associate Professor, Obuda University, John von Neumann Faculty of Informatics

E-mail: szenasi.sandor@nik.uni-obuda.hu

Aim:

The aim of this special issue is to present the latest advancements and trends in the area of high-performance computing using graphics accelerators. This special issue covers topics such as hardware architecture aspects, programming techniques, frameworks and achievements of real-world applications from various areas.

Topics:

Authors are invited to submit their original and unpublished work in the following areas:

- General hardware (architecture) concepts
- Theory of parallel/distributed computing
- Parallel algorithms and their implementation
- Grid computing
- Software engineering and productivity
- Software tools and environments
- Performance measurement results
- Approaches to effectively utilize resources
- Bioinformatics
- Image processing, machine vision
- Signal processing and pattern matching
- Visualisation, 3D graphics, virtual reality
- Big Data

Submission Deadline: December 31, 2016

Submission Rules:

Manuscripts should be prepared according to the formatting instructions. Manuscripts submitted to the Special Issue on GPU Computing are to be submitted following the standard submission process. All submitted manuscripts will be reviewed using the standard procedure that is followed for regular submissions.